

Commonwealth of Massachusetts
Public Employee Retirement Administration Commission

Annual Statement 2020





Philip Y. Brown, Esq.

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Auditor of the Commonwealth Vice Chairman

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Commonwealth of Massachusetts
Public Employee Retirement Administration Commission

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Instructions to Retirement Systems & Pension Funds

(Henceforth called Systems)

- (1) Date of Filing: The statement is required by law to be filed on or before May 1st.
- (2) The Name of the System must be typed or stamped at the top of all pages and schedules (and duplicate schedules), and on all inserted schedules and loose sheets.
- (3) This statement must be typewritten or prepared legibly using electronic media.
- (4) Blank Schedules will not be accepted. If no entries are to be made, type "NONE" across the schedule in question.
- (5) Each category of investment must be grouped alphabetically on appropriate schedules as listed below. Group totals in each category must be shown (sub-totals should be identified as such). Investments must be listed on a trade date basis (as opposed to the cashbook, which is on a settlement date basis). Purchases made prior to January 1st, but not settled until after December 31st, should be recorded as accounts payable and, as such, should be recorded as accounts receivable and, as such, should be listed as sold and no longer owned. *

Schedule 1

Cash

Schedule 2

Short Term Securities (Treasury Bills, Commercial Paper, Repurchase Agreements, CDs, Term Deposits, Money Market Accounts, Cooperative Shares, and Savings and Loan Shares).

Schedule 3 (A, B, and C)

Fixed Income Securities

Schedule 4 (A, B, and C)

(a) Stocks

(b) Options

Schedule 5

Pooled Funds, PRIT Fund, Mutual or Commingled Funds, International Investments, Alternative Investments, and Real Estate Investments

Schedule 6

Recap of Schedules 1 through 5

Schedule 7

Recap of all investment-related management, custodial and consultant fees

Supplementary Schedule

We are now requesting that you provide us with a supplemental schedule for Members' Balances in the Annuity Savings Account. Previously, there was some confusion as to whether this information was required. **It is required.**

(6) If the Annual Statement and Schedules do not contain the information asked for in the blanks, or are not prepared as requested above, they will NOT be accepted by the Commission.

Note: In accordance with the provisions of section 20(5)(h) and section 23(1)(c) and section 23(2)(e) of Chapter 32 of the General Laws, this statement must be filed in the office of the Public Employee Retirement Administration Commission no later than May 1, 2021. The due date for filing will be strictly enforced.

*It is critical that you determine the status of all pending transactions reported by your custodian on supplemental schedules provided by them. If any adjustments are required, these should be disclosed either in the details of accounts due in receivables, or payments pending in accounts payable. Otherwise, the supplemental schedules need to be notated for pending settlements. It may be necessary to revisit pending transactions from prior periods to properly reconcile these financial results.

Annual Statement for the Year I	Ended December 31, 2020 of the Conditions and	d Affairs of(Name of Retirement System)
Organized Under the Laws of the	Commonwealth of Massachusetts to the Public Emp	
Date of Certificate	Effective Date	
ADMINISTRATIVE OFFICE		
Street & Number	City/Town, State and Zip Cod	de Telephone Number
perjury, that we are the official last, all of the herein-described liens or claims thereon, except contained, annexed, or referre- changes in fund balances, and	s of the Board of board members of said retirement system, an assets were the absolute property of said retired as stated, and the following statements, with d to, are a full and correct exhibit of all the assofthe conditions and affairs of the said retired ar ended on that date, according to the best of	d that on the thirty-first day of December irement system, free and clear from any the schedules and explanations therein sets, liabilities, income and disbursements, ment system on the said thirty-first day of
BOARD OF RETIREMENT	Ex-Officio Member	
Please identify the name of the Board Member who serves	(Name Typed)	(Signature)
as Chairperson by inserting the title next	Appointed Member	Term Expires
to his or her name.	(Name Typed)	(Signature)
	Elected Member	Term Expires
	(Name Typed)	(Signature)
	Elected Member	Term Expires
	(Name Typed)	(Signature)
	Member Appointed by Other Members	Term Expires
	(Name Typed)	(Signature)
INVESTMENT MANAGERS	(Name)	(Address)
Please compile/ submit a complete list. Attach the list to this page.	(Name)	(Address)
	(Name)	(Address)
INVESTMENT CONSULTANT	(Name)	(Address)
CUSTODIAN	(Name)	(Address)

Annua	al Statement of the	Retirement System for the Year Ended December 31, 2020
NNA	UAL STATEMENT BALANCE TESTS	
۱.	ASSET BALANCE	
	Assets Previous Year	
	Income Current Year	
	Disbursements Current Year	()
	Assets Current Year	
2.	ASSET DIFFERENCE	
	Assets Current Year	
	Assets Previous Year	()
	Difference	
3.	INCOME DIFFERENCE	
	Income Current Year	
	Disbursements Current Year	()
	Difference	
1.	FUND CHANGE DIFFERENCE – Add Disbursement activities.	d interfund transfer credits and debits respectively to Income and
	Total Fund Change Credits Current Yea	ar

Total Fund Change Debits Current Year

Difference

NOTE: The difference as a result of tests 2, 3, and 4 should be the same.

ASSETS & LIABILITIES

				<u> </u>	2019		718
1.	1049	Cash					
2.	1100	Individually Owned Short Term Investments					
3.	1180	Fixed Income Securities (Market Value)					
4.	1101	Pooled Short Term Funds					
5.	1170	Equities					
6.	1172	Pooled Domestic Equity Funds					
7.	1173	Pooled International Equity Funds					
8.	1174	Pooled Global Equity Funds					
9.	1181	Pooled Domestic Fixed Income Funds					
10.	1182	Pooled International Fixed Income Funds					
11.	1183	Pooled Global Fixed Income Funds					
12.	1193	Pooled Alternative Investments / Private Equity					
13.	1194	Pooled Real Estate Funds					
14.	1195	Pooled Domestic Balanced Funds					
15.	1196	Pooled International Balanced Funds					
16.	1197	Hedge Funds					
17.	1198	PRIT Cash Fund					
18.	1199	PRIT Core Fund					
19.	1350	Prepaid Expenses					
20.	1398	Accounts Receivable (A)					
21.	1550	Interest Due and Accrued					
22.	2020	Accounts Payable (A)	() (_) ()
		TOTAL					
FU	NDS						
1.		Annuity Savings Fund					
2.	3294	Annuity Reserve Fund					
3.	3295	Special Military Service Credit Fund					
4.	3296	Pension Fund					
5.	3298	Expense Fund					
6.	3297	Pension Reserve Fund					
TO	TAL AS	SETS AT MARKET VALUE					

(A) Specific details for Accounts Receivable and Accounts Payable are to be disclosed on Schedule A.

Annual Statement of the	Retirement System fo	Retirement System for the Year Ended December 31, 2020	er 31, 2020		
	Balance Dec. 31 Prior Year	Receipts	Interfund Transfers	Disbursements	Balance Dec. 31 Current Year
Annuity Savings Fund					
Annuity Reserve Fund Special Military Service Credit Fund					
Pension Fund					
Expense Fund					
Pension Reserve Fund					
TOTAL ALL FUNDS					
List below all transfers:					
Transfer from	Fund to the	Fund in the Amount of \$_	ıt of \$	on Account of	İ
Transfer from	Fund to the	Fund in the Amount of \$_	ıt of \$	on Account of	j
Transfer from	Fund to the	Fund in the Amount of \$_	ıt of \$	on Account of	j
Transfer from	Fund to the	Fund in the Amount of \$_	ıt of \$	on Account of	j
Transfer from	Fund to the	Fund in the Amount of \$_	ıt of \$	on Account of	j
Transfer from	Fund to the	Fund in the Amount of \$_	ıt of \$	on Account of	Ì

Annual Statement of the		nent of the I	Retirement System for the Year	Ended December 31, 20	20	
DI:	SBU	RSEN	MENTS			
1.	Anr	nuity S	avings Fund:	2020	2019	2018
••		_	Refunds to Members			
			Transfers to Other Systems			
	(5)	3730	SUBTOTAL			
			JODIOTAL			
2.	Anr	nuity R	Reserve Fund:			
	(a)	5750	Annuities Paid			
	(b)	5759	Option B Refunds			
			SUBTOTAL			
3.	Pen	sion F	fund:			
-			Pensions Paid			
			Regular Pension Payments			
			Survivorship Payments			
			Ordinary Disability Payments			
			Accidental Disability Payments			
			Accidental Death Payments			
			Section 101 Benefits			
	(b)		3(8)(c) Reimbursements to Other System	ns		
	(c)		COLAs Paid			
	(d)	5753	Chapter 389 Beneficiary Increase Paid			
			SUBTOTAL			
4.	Exp	ense l	Fund:			
	(a)		Board Members' Stipend			
	(b)	5119	Staff Salaries			
	(c)	5120	Benefits			
	(d)	5304	Management Fees			
	(e)	5305	Custodial Fees			
	(f)		Investment Consultant Fees			
	(g)		Legal Expenses			
	(h)		Medical Expenses			
	(i)		Fiduciary Insurance			
	(j)		Service Contracts			
	(k) (l)		Rent Expense Professional Services			
			Actuarial Services			
	(n)		Accounting Services			
	(o)		Education and Training			
	(p)		Administrative Expenses			
	(q)		Furniture and Equipment			
	(r)		Travel Expense			
	(s)	5829	Depreciation Expense: Building			
			SUBTOTAL			

TOTAL DISBURSEMENTS

Annual Statement of the	Retirement System for the Year	Ended December 31, 20	20
INVESTMENT INCOME	2020	2019	2018
Investment Income received from:			
(a) Cash (from Schedule 1)			
(b) Short Term Investments (from Schedule 2)			
(c) Fixed Income Securities (from Schedules 3A and	3C)		
(d) Equities (from Schedules 4A and 4C)			
(e) Pooled Funds (from Schedule 5)			
(f) Commission Recapture and Securities Litigation			
4821 TOTAL INVESTMENT INCOME			
Plus:			
4884 Realized Gains (Profits)			
4886 Unrealized Gains (Increase in Market Value)			
1550 Interest/Dividends Due and Accrued-Current	Year		
Less:			
4823 Paid Accrued Interest on Fixed Income Securi	ties		
4885 Realized Losses			
4887 Unrealized Losses (Decrease in Market Value)			
1550 Interest/Dividends Due and Accrued-Prior Yea	ar		
Additional Adjustments:			
4701 Carried Interest Expense			
4702 Equalization Expense			
4703 Miscellaneous Investment Expenses			
NET INVESTMENT INCOME			
Income Required:			
Annuity Savings Fund (from Supplementary Schedule	<i>j</i>)		
Annuity Reserve Fund			
Special Military Service Credit Fund			
Expense Fund			
TOTAL INCOME REQUIRED			
Net Investment Income			
Less Income Required			
EXCESS INCOME TO PENSION RESERVE FUN	D		
			

MEMBERSHIP FOR CURRENT YEAR

ACTIVE MEMBERS	Group 1	Group 2 & 4	TOTAL
Active Membership, Dec. 31st, Previous Year Inactive Membership, Dec. 31st, Previous Year Enrolled During Current Year			
Transfers Between Groups Reinstatements of Disabled Members SUBTOTAL			
Deduct: Death Withdrawals Retirements SUBTOTAL			
Active Membership, Dec. 31st, Current Year			
Inactive Membership, Dec. 31st, Current Year			
RETIRED MEMBERS, BENEFICIARIES & SURVIV	/ORS		
Retired, Beneficiary, and Survivor Membership, Dec. 31, previous year			
Retirements During the Year:			
Superannuation			
Ordinary Disability			
Accidental Disability Termination Retirement Allowance			
Beneficiary of Deceased Retiree			
Survivor Benefits from Active Membership			
SUBTOTAL			
Deduct:			
Deaths of Retired Members			
Terminations of Survivor Benefits			
Reinstatements of Disabled Pensions			
SUBTOTAL			
Retired Membership, Dec. 31, current year			
Superannuation			
Ordinary Disability			
Accidental Disability Termination			
Beneficiaries from Accidental Deaths			
Beneficiaries from Section 100			
Beneficiaries from Section 101			
Beneficiaries under Option (C)			
Option (D) Survivor Allowance			
Section 12B Survivor Allowance			
Total Retired, Beneficiary, and Survivor Membership, Dec. 31, Current Year			
TOTAL MEMBERSHIP: Active, Inactive, Retired, Beneficiary, and Survivor, Dec. 31, Current Year			

Annual Statement of the	Retirement System for the Year Ended December 31, 202	20
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Schedule A: Detail of Accounts Receivable and Accounts Payable

	Receivable	Amount	Original Date
4891	Members' Deductions		
4892	Transfers From Other Systems		
4893	Members' Make Up Payments and Redeposits		
4900	Members' Payments from Rollovers		
4898	3(8)(c) Reimbursements from Other Systems		
4899	Received from Commonwealth for COLA and Survivor Benefits		
4894	Pension Fund Appropriation (Current Fiscal Year)		
4894	Pension Fund Appropriation (Previous Fiscal Year)		
4890	Contributions Received from Municipality on Account of Military Service		
4897	Federal Grant Reimbursement		
4895	Pension Reserve Appropriation		
	nents Sold But Funds Not Received (list individually)		
			
TOTA	L RECEIVABLES		
	Payable		
5757	Refunds to Members		
5756	Transfers to Other Systems		
5750	Annuities Paid		
5759	Option B Refunds		
5751	Pensions Paid		
5755	3(8)(c) Reimbursements to Other Systems		
5752	COLAs Paid		
5753	Chapter 389 Beneficiary Increase Paid		
5118	Board Members' Stipend		
5119	Staff Salaries		
5120	Benefits		
5304	Management Fees		
5305	Custodial Fees		
5307	Investment Consultant Fees		
5308	Legal Expenses		
5309	Medical Expenses		
5310	Fiduciary Insurance		
5311	Service Contracts		
5312	Rent Expense		
5315	Professional Services		
5320	Education and Training		
5589	Administrative Expenses		
5599	Furniture and Equipment		
5719	Travel Expense		
Investn	nents Purchased But Funds Not Paid (list individually)		
			

Retirement System for the Year Ended December 31, 2020 Annual Statement of the

Cash Account Activity During Year

*Cash defined in ledger #1040 as Savings or Checking

Description:(A)(B)Type of Account,Book ValueIAccount Number, Interestat EndTotal DepositsRate (List alphabetically)of Previous Yearthis Year

Book Value Income Reinvested/
t at End Total Deposits Redeposited into Withdrawals of Previous Year this Year Account during Year

December 31st

Interest Due and Accrued

Cash Income Paid to System Not Reinvested

or Redeposited

=A+B+C-D Total Book Value Dec 31st This Year

<u>0</u>

<u>©</u>

Schedule No. 2

Retirement System for the Year Ended December 31, 2020 Annual Statement of the

Short Term Securities* Bought and Sold or Matured During the Year as well as Still Held on December 31st
*Short Term defined in ledger #1100 as U.S. Treasury Bills, Commercial Paper, Repurchase Agreements, CDs, Term Deposits, Money Market, Cooperative Shares, Savings and Loan Shares

(<u>G</u>	Interest Due	and Accrued	Dec. 31st
(F)	Interest	Received	During Year
(E)	Market Value	Dec. 31st	Current Year
(D) Amount Received at Maturity	(Expiration or Upon Liquidation)	Less Commissions and	Excluding Interest
(C)	Cost	Including	Commissions
(B)		Par	<u>Value*</u>
€		Date	Acquired
Description: Including CUSIP or Account No., Interest	Rate, Maturity Date (List alphabetically.	Rolled over securities must be listed as	sold and then repurchased.)

Retirement System for the Year Ended December 31, 2020 Annual Statement of the

Domestic Fixed Income Securities Owned at End of Year (Foreign Fixed Income Securities must be listed on Schedule 5)

CUSIP Number* € Description:
Including Maturity
Date and Interest
Rate (List Alphabetically)

Unrealized Loss 0 **Unrealized Gain** <u>⊙</u> Cost or Market Value at End of Prior Year

Interest Due and Accrued Dec. 31st

(F)
Interest
Received
During Year

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Market Value

<u>©</u>

*Optional Entry

Annual Statement of the

Retirement System for the Year Ended December 31, 2020

Domestic Fixed Income Securities Purchased During Year (Foreign Fixed Income Securities must be listed on Schedule 5)

₹ **Description:**Including Maturity
Date and Interest Rate

Par Value* <u>B</u> CUSIP Number

(List Alphabetically)

Date Acquired (Trade Date)

Q

<u>0</u>

Name of Broker

Accrued Interest Paid

Cost Excluding
Accrued Interest, but
Including Commissions

Commissions <u>Paid</u> Œ

Ē

*Optional Entry

Retirement System for the Year Ended December 31, 2020 Annual Statement of the

Domestic Fixed Income Securities Sold During Year (Foreign Fixed Income Securities must be listed on Schedule 5)

(J)	Received During Year Including Interest Sold
€	= G-F Realized Loss
Ĵ	= G-F Realized Gain
(G) Amount Received on Sale Less	Commissions Excluding Accrued Interest
(F)	Market Value Previous <u>Dec 31st</u>
(E)	Commissions
<u> </u>	Name of <u>Broker</u>
(C)	Date Sold or Matured (Trade Date)
(B)	Par Value*
€	CUSIP
Description:	Including Date of Maturity and Interest Rate (List alphabetically)

Schedule No. 4A

Retirement System for the Year Ended December 31, 2020 Annual Statement of the

Received During Dividends

Market Value at = F - D - E = F - D - EEnd of Current Year Unrealized Gain Unrealized Loss

€

Î

9

Year

Schedule No. 4B

Retirement System for the Year Ended December 31, 2020 Annual Statement of the

Equities Purchased During Year Equities defined as stocks or options (Pooled Funds must be listed on Schedule 5)

Name of Broker Date Acquired (Trade Date) <u>O</u> Number of Shares <u>B</u> **CUSIP Number** € Description:
Give Complete
Description
(List Alphabetically)

(F)
Cost to System
Including Commissions
and Fees

Commissions and Fees Paid

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<u>@</u>

page **15**

Schedule No. 4C

Equities Sold During Year

Equities defined as stocks or options (Pooled Funds must be listed on Schedule 5)

Retirement System for the Year Ended December 31, 2020

Œ <u>@</u> Q <u>B</u> € **Description:**

Realized Gain = F-G Î Cost if Purchased in Current Year Market Value at Prior Year-end or Proceeds From Sale Ē Commissions <u>Paid</u> Date Sold Name of Broker Number of Shares CUSIP Number Give Complete Description (List Alphabetically)

Dividends Received During Year

Realized Loss

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Schedule No. 5

Retirement System for the Year Ended December 31, 2020 Annual Statement of the_

Schedule of Pooled FundsThis schedule is to be used for the PRIT Fund and Pooled Funds (e.g. , Venture Capital, Real Estate, Mutual Funds, Commingled Funds).

(X)		= A+B+C+D-E+F-G-H-I-J	Market Value at End of	Year**
Ĵ			Fees	Paid
(1)		Cash Dividends	Distributions to	Systems this Year
(H) Total Sales/	Redemptions	this Year -	Amount	Received
(9)			Unrealized	Loss*
(F)			ے	Gain*
(E)			Realized	Loss*
<u>Q</u>			Realized	Gain*
<u>(C</u>		Reinvested	Investment	Income
(B)	Total	Purchases	This Year	at Cost
(A) Market	Value at	End of	Previous	Year
Description:	Give Complete	PERACDescription	Ledger(List alphabetically	Numberby category)

 ^{*} If available.
 ** If using most recent period prior to year-end, please list date.

Schedule No. 6

Retirement System for the Year Ended December 31, 2020 Annual Statement of the

Summary of Investments Owned

€	(B)	(C)	<u>Q</u>	(E)	(F)	(0)	Ĵ	
	Interest Due	Paid Accrued						=
Current	and Accrued	Interest on	Commissions					
Market	as of	Purchases in	Paid During	Unrealized	Unrealized	Realized	Realized	
<u>Value</u>	Dec. 31, 2020	Current Year	Current Year	Gains	Losses	Gains	Losses	△
(A) Current Market Value	_ a _	(B) nterest Due and Accrued as of ec. 31, 2020	Pai Cu	(C) Paid Accrued Interest on Com Purchases in Pai	Paid Accrued Interest on Commissions Purchases in Paid During Unicurrent Year Current Year C	Paid Accrued Interest on Commissions Purchases in Paid During Unrealized Unre	Paid Accrued Interest on Commissions Purchases in Paid During Unrealized Unrealized Re Current Year Gains Losses (5)	Paid Accrued Interest on Commissions Purchases in Paid During Unrealized Unrealized Realized Re Current Year Current Year Gains Losses Gains L

Investment Income Received During Year

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Individually Owned Short Term Investments

Cash

1040

1100

- 3. 1180 Fixed Income Securities
- 1170 Equities

4

- 5a. 1101 Pooled Short Term Funds
- 5b. 1172 Pooled Domestic Equity Funds
- 5c. 1173 Pooled International Equity Funds
- 5d. 1174 Pooled Global Equity Funds
- 1181 Pooled Domestic Fixed Income Funds

5e.

- 5f. 1182 Pooled International Fixed Income Funds
- 5g. 1183 Pooled Global Fixed Income Funds
- 5h. 1193 Pooled Alternative Investments / Private Equity
- 5i. 1194 Pooled Real Estate Funds
- 1195 Pooled Domestic Balanced Funds

5j.

沃.

- 1196 Pooled International Balanced Funds
- 51. 1197 Hedge Funds
- 5m. 1198 PRIT Cash Fund
- 5n. 1199 PRIT Core Fund

Annual Statement of the	Re	tirement Sy	stem for th	e Year Ende	Retirement System for the Year Ended December 31, 2020	1, 2020					
Summary of Investment Related Fees	€	(B)	(C)	<u>(D</u>	Œ	(F)	(9)	Ĩ	Ξ	ĵ	<u>(</u>
Manager/Vendor-All Managers/ Vendors Must Be Listed	01 2020	02 2020	03 2020	<u>04 2020</u>	Accrued Payable at <u>Year End</u>	Total Paid or Accrued <u>in 2020</u>	Market Value as of 12/31/20	*Payment Method (Net, Check, Wire)	#4701 Carried Interest Exp.	#4702 Equalization <u>Expense</u>	#4703 Misc Investment Expense
5304 Management Fees 1											
33											
4.											
7.											
89											
5304 Management Fees TOTAL											
5305 Custodial Fees											
9.											
10.											
11.											
5305 Custodial Fees TOTAL											
5307 Investment Consultant/OCIO Fees	S										
12.											
13.											
14.											
5307 Investment Consultant/											
OCIO rees IOIAL											
TOTAL INVESTMENT											

RELATED FEES AND EXPENSES

Supplementary Schedule

Retirement System for the Year Ended December 31, 2020

Members' Balances in the Annuity Savings Account

Reductions Total Interest Current Year Total Additions Current Year Previous <u>Balance</u> Member's Name

Annual Statement of the

Transfer to Pension Fund

Transfer to Pension <u>Reserve Fund</u>

Balance Current Year